

DEPARTMENT OF TRANSPORTATION**DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
690 Walnut Ave.St. 150
Vallejo, CA 94592-1133
(707) 649-5453
(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-017210**Date Inspected:** 01-Oct-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Zhu Zhong Hai.**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** OBG components.**Summary of Items Observed:**

On this day CALTRANS OSM Quality Assurance Inspector (QA) Mr. Shailesh Wadkar was present during the times noted above for observations relative to the fabrication of the Self Anchored Suspension (SAS)

Superstructure being performed by Zhenhua Port Machinery Company (ZPMC) at Changxing Island, in Shanghai, China. QA observed and/or found the following:

OBG Trial Assembly Yard:

This QA Inspector observed the following work in progress:

OBG Seg 11AW and Seg 11BW:

The Shielded Metal Arc Welding (SMAW) process on weld joint no's: OBW11B-002 and 003. The welders are identified as 046709 and 069683 and were observed welding in the 4G position. ZPMC Quality Control (QC) was identified as Zhou Peng. The welding variables recorded by QC appeared to comply with WPS: B-P-2214-B-U2-FCM-1.

OBG Seg 11AE:

The SMAW process on weld joint no: CA082-002. The welder is identified as 067752 and was observed welding in the 4G position. ZPMC QC was identified as Wang Li Yang. The welding variables recorded by QC appeared to comply with WPS: B-P-2214-B-U2-FCM-1.

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OBG Seg 11BE:

The SMAW process on weld joint no: CA084-006. The welder is identified as 067752 and was observed welding in the 4G position. ZPMC QC was identified as Wang Li Yang. The welding variables recorded by QC appeared to comply with WPS: B-P-2214-B-U2-FCM-1.

OBG Seg 11AE and Seg 11BE:

The SMAW process on weld joint no: OBE11-001. The welder is identified as 044515 and was observed welding in the 4G position. ZPMC QC was identified as Wang Li Yang. The welding variables recorded by QC appeared to comply with WPS: B-P-2214-B-U2-FCM-1.

OBG Seg 10CE:

The SMAW process on weld joint no: FB040-003-128. The welder is identified as 046704 and was observed welding in the 2G position. ZPMC QC was identified as He Yan Bing. The welding variables recorded by QC appeared to comply with WPS: B-P-2212-TC-U4b-FCM-1.

Cross Beam 14 (CB14):

The SMAW process on weld joint no: CB202A-014-018. The welder is identified as 046704 and was observed welding in the 2G position. ZPMC QC was identified as He Yan Bing. The welding variables recorded by QC appeared to comply with WPS: B-P-2212-TC-U4b-FCM-1.

The SMAW process on weld joint no's: FB040-PP93-001, 003, 005 and 007. The welder is identified as 070432 and was observed welding in the 2F position. ZPMC QC was identified as He Yan Bing. The welding variables recorded by QC appeared to comply with WPS: B-P-2112-FCM-1.

The SMAW process on weld joint no: FB024-PP93-128. The welder is identified as 046704 and was observed welding in the 2G position. ZPMC QC was identified as He Yan Bing. The welding variables recorded by QC appeared to comply with WPS: B-P-2212-TC-U4b-FCM-1.

OBG Seg 10E:

Notification no: 006817.

This QA inspector performed Magnetic Particle Testing (MT) of approximately 15% of an area that has been previously tested and accepted by ZPMC QC personnel. This QA Inspector has generated MT report for this date. The members are identified as OBG components. The weld designations reviewed are as follows:

- 1) SSD17-PP087-272, 273 and 274.
- 2) SSD17A-PP087-272, 273 and 274.
- 3) SSD18-PP088-272, 273 and 274.
- 4) SSD18A-PP088-272, 273 and 274.

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- 5) SSD16-PP092-272, 273 and 274.
- 6) SSD17A-PP093-272, 273 and 274.
- 7) SSD17-PP093-272, 273 and 274.
- 8) SSD16A-PP092-272, 273 and 274.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

Summary of Conversations:

No significant conversations were reported on this date.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang; phone: 15000422372., who represents the Office of Structural Materials for your project.

Inspected By:	Wadkar,Sailesh	Quality Assurance Inspector
Reviewed By:	Peterson,Art	QA Reviewer
